

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

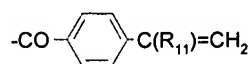
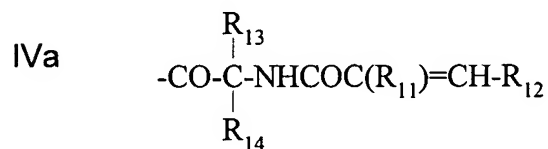
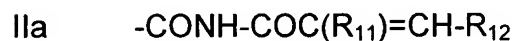
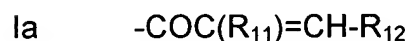
Cancel claims 1, 3, 5, 6, 9, 10, 12, 13, 18, 25, 26, 28-31, and 39-46 without prejudice or disclaimer.

Please add new claim 54.

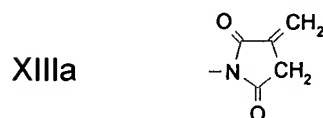
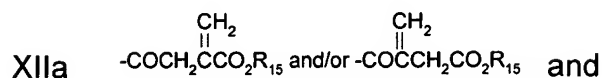
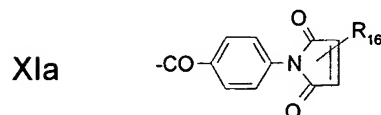
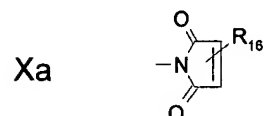
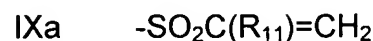
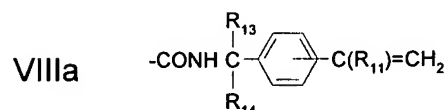
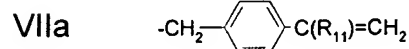
Listing of Claims:

Claim 1 (canceled)

Claim 2 (currently amended): The anthraquinone compound Anthraquinone
~~compounds~~ according to Claim ~~[[1]]~~ 54 wherein the ethylenically-unsaturated,
photosensitive copolymerizable groups represented by Q are selected from the
~~following organic radicals~~ group consisting of:



Vla



wherein:

R_{11} is selected from hydrogen or and $\text{C}_1\text{-C}_6\text{-alkyl}$;

R_{12} is selected from hydrogen; $\text{C}_1\text{-C}_6\text{-alkyl}$; phenyl or and phenyl substituted with one or more groups selected from $\text{C}_1\text{-C}_6\text{-alkyl}$, $\text{C}_1\text{-C}_6\text{-alkoxy}$, $-\text{N}(\text{C}_1\text{-C}_6\text{-alkyl})$, nitro, cyano, $\text{C}_1\text{-C}_6\text{-alkoxycarbonyl}$, $\text{C}_1\text{-C}_6\text{-alkanoyloxy}$ and halogen; 1- and 2-naphthyl which may be substituted with $\text{C}_1\text{-C}_6\text{-alkyl}$ or $\text{C}_1\text{-C}_6\text{-alkoxy}$; 2- and 3-thienyl optionally which ~~may be~~ substituted with $\text{C}_1\text{-C}_6\text{-alkyl}$ or halogen; 2- or 3-furyl optionally which ~~may be~~ substituted with $\text{C}_1\text{-C}_6\text{-alkyl}$;

R₁₃ and R₁₄ are selected from hydrogen, C₁-C₆-alkyl, substituted C₁-C₆-alkyl, aryl or may be combined to represent a $-\text{[CH}_2\text{]}_{3-5}-$ radical;

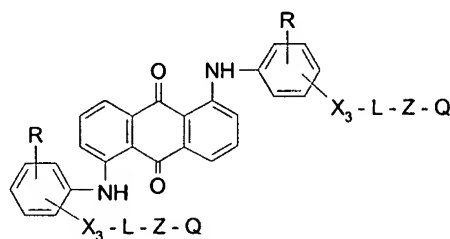
R₁₅ is selected from hydrogen, C₁-C₆-alkyl, substituted C₁-C₆-alkyl, C₃-C₈-alkenyl, C₃-C₈-cycloalkyl or and aryl; and

R₁₆ is selected from hydrogen, C₁ - C₆-alkyl or and aryl.

Claims 3-14 (canceled)

Claim 15 (currently amended): The anthraquinone compound Anthraquinone compounds according to Claim 2 having the formula:

XVI.

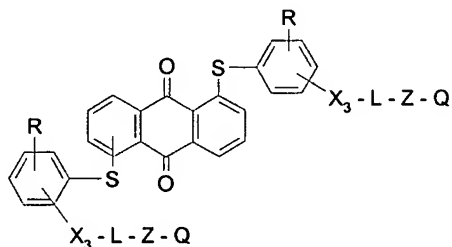


wherein Z is -O-.

Claim 16 (canceled)

Claim 17 (currently amended): The anthraquinone compound Anthraquinone compounds according to Claim 2 having the formula:

XIX.



wherein Z is -O-.

Claim 18 (canceled)

Claim 19 (currently amended): The anthraquinone compound Anthraquinone compounds according to Claim 2 wherein Q is organic radical Ia.

Claim 20 (currently amended): The anthraquinone compound Anthraquinone compounds according to Claim 2 wherein Q is organic radical Ia wherein R₁₁ is hydrogen or methyl and R₁₂ is hydrogen.

Claim 21 (currently amended): The anthraquinone compound Anthraquinone compounds according to Claim 2 wherein Q is organic radical VIIa.

Claim 22 (currently amended): The anthraquinone compound Anthraquinone compounds according to Claim 2 wherein Q is organic radical VIIa wherein R₁₁ is hydrogen.

Claim 23 (currently amended): The anthraquinone compound Anthraquinone compounds according to Claim 2 wherein Q is organic radical VIIIa.

Claim 24 (currently amended): The anthraquinone compound Anthraquinone compounds according to Claim 2 wherein Q is organic radical VIIIa wherein R₁₁ is hydrogen or methyl and R₁₃ and R₁₄ are methyl.

Claim 25-31 (canceled)

Claim 32 (currently amended): The anthraquinone compound Anthraquinone compounds according to Claim 15 wherein X₃ is -CO₂-, L is -CH₂CH₂-, and R is hydrogen or bromine.

Claim 33 (currently amended): The anthraquinone compound Anthraquinone compounds according to Claim 15 wherein X₃ is -CO₂-, L is propylene, 1,4-cyclohexylenedimethylene or 2,2-dimethyltrimethylene, R is hydrogen, Z is -O-, and Q

is an organic radical having the structure $\text{-COC(R}_{11}\text{)=CH}_2$ wherein R_{11} is hydrogen, methyl or ethyl.

Claim 34 (currently amended): The anthraquinone compound Anthraquinone ~~compounds~~ according to Claim 15 wherein X_3 is $\text{-CO}_2\text{-}$, L is propylene, 1,4-cyclohexylenedimethylene or 2,2-dimethyltrimethylene, R is hydrogen, Z is -O- , and Q is an organic radical having structure VIIIa wherein R_{11} , R_{13} and R_{14} each is methyl.

Claim 35 (canceled)

Claim 36 (currently amended): The anthraquinone compound Anthraquinone ~~compounds~~ according to Claim 17 wherein X_3 is $\text{-CO}_2\text{-}$, L is $\text{-CH}_2\text{CH}_2\text{-}$, and R is hydrogen.

Claim 37 (currently amended): The anthraquinone compound Anthraquinone ~~compounds~~ according to Claim 17 wherein X_3 is $\text{-CO}_2\text{-}$, L is propylene, 1,4-cyclohexylenedimethylene or 2,2-dimethyltrimethylene, R is hydrogen, Z is -O- , and Q is an organic radical having the structure $\text{-COC(R}_{11}\text{)=CH}_2$ wherein R_{11} is hydrogen, methyl or ethyl.

Claim 38 (currently amended): The anthraquinone compound Anthraquinone ~~compounds~~ according to Claim 17 wherein X_3 is $\text{-CO}_2\text{-}$, L is propylene, 1,4-cyclohexylenedimethylene or 2,2-dimethyltrimethylene, R is hydrogen, Z is -O- , and Q is an organic radical having structure VIIIa wherein R_{11} , R_{13} and R_{14} each is methyl.

Claim 39-46 (canceled)

Claim 47 (currently amended): A coating composition comprising (i) one or more polymerizable vinyl compounds, (ii) one or more of the dye compounds of Claim [\[\[1\]\] 54](#), and (iii) a photoinitiator.

Claim 48 (previously presented): A coating composition comprising (i) one or more polymerizable vinyl compounds, (ii) one or more of the dye compounds of Claim 2 present in a concentration of about 0.05 to 15 weight percent based on the weight of component (i), and (iii) a photoinitiator present in a concentration of about 1 to 15 weight percent based on the weight of the polymerizable vinyl compound(s) present in the coating composition.

Claim 49 (currently amended): The [[A]] coating composition according to Claim 48 wherein the polymerizable vinyl compounds comprise a solution of a polymeric, polymerizable vinyl compound selected from acrylated and methacrylated polyesters, acrylated and methacrylated polyethers, acrylated and methacrylated epoxy polymers, acrylated or methacrylated urethanes, and mixtures thereof, in a diluent selected from monomeric acrylate and methacrylate esters.

Claim 50 (currently amended): A polymeric coating composition comprising a polymer of one or more acrylic acid esters, one or more methacrylic acid esters or other copolymerizable vinyl compounds, having copolymerized therein one or more of the dye compounds defined in Claim [[1]] 54.

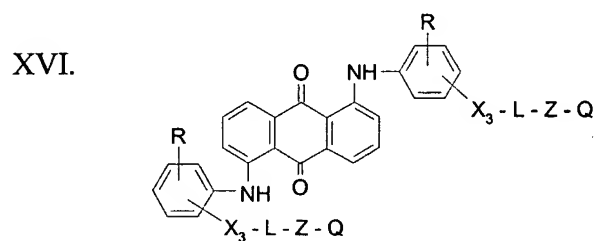
Claim 51 (previously presented) A polymeric coating composition comprising a coating of an acrylic polymer of one or more acrylic acid esters, one or more methacrylic acid esters or a mixture thereof having copolymerized therein one or more of the dye compounds defined in Claim 2.

Claim 52 (previously presented): A polymeric coating composition comprising a coating of an unsaturated polyester containing one or more maleate/fumarate residues; one or more monomers which contain one or more vinyl ether groups, one or more vinyl ester groups, or a combination thereof, and, optionally, one or more acrylic or methacrylic

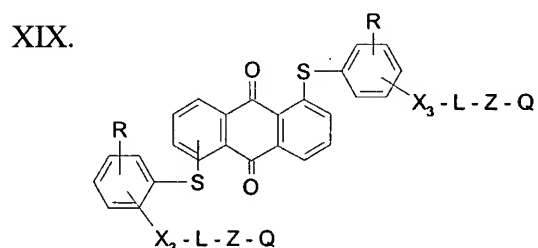
acid esters; or a mixture thereof having copolymerized therein one or more of the dye compounds defined in Claim 2.

Claim 53 (currently amended): The [[A]] polymeric coating according to Claim 51 containing from about 0.05 to 15.0 weight percent of the residue of one or more of the dye compounds based on the weight of the coating.

Claim 54 (New) An anthraquinone dye compound having the formula:



or



wherein:

R is selected from hydrogen or 1-3 groups selected from C₁ - C₆-alkyl, C₁ - C₆-alkoxy and halogen;

X₃ is selected from -CO₂-, -SO₂N(Y)-;

L is a divalent linking group selected from C₁-C₈-alkylene, C₁-C₆-alkylene-arylene, arylene, C₁-C₆-alkylene-arylene -C₁-C₆-alkylene, C₃-C₈-cycloalkylene, C₁-C₆-alkylene -C₃-C₈-cycloalkylene -C₁-C₆-alkylene, C₁-C₆-alkylene - Z₁-arylene -Z₁-C₁-C₆-alkylene and C₂-C₆-alkylene-[-Z₁-C₂-C₆-alkylene-]_n wherein Z₁ is selected from -O-, -S- and -SO₂- and n is 1-3; and

Z is a divalent group selected from -O-, -S-, -NH-, -N(C₁-C₆-alkyl)-,

Application No. 10/734,630
Amendment dated March 6, 2006
Reply to Office action dated January 4, 2006

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-N(C₃-C₈ alkenyl)-, -N(C₃-C₈ cycloalkyl)-, -N(aryl)-, -N(SO₂C₁-C₆-alkyl) and -N(SO₂ aryl)-
, provided that when Q is a photopolymerizable optionally substituted maleimide radical,
Z represents a covalent bond; Q is an ethylenically-unsaturated, photosensitive
polymerizable group.